BenQ

DC E310 Digital Camera
User Manual

Welcome

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Taking Care of Your Camera

- Do not use your camera at temperatures below 0°C or above 40°C.
- Do not use or store your camera in the environments listed below:
  – Direct sunlight
  – High and dusty places
  – Next to an air conditioner, electric heater or other heat sources
  – In a closed car that is directly under the sun
  – Unstable locations
- If your camera becomes wet, wipe it with dry cloth as soon as possible.
- Salt or seawater may cause severe camera damage.
- Do not use organic solvents, such as alcohol, etc., to clean your camera.
- If the lens or viewfinder is dirty, use a lens brush or soft cloth to clean the lens. Do not touch the lens with your fingers.
- To prevent electrical shock, do not attempt to disassemble or repair your camera by yourself.
- Water may cause a fire or electric shock. Therefore, store your camera in a dry place.
- Do not use your camera outdoors when it is raining or snowing.
- Do not use your camera in or near water.
- If a foreign substance or water gets in your camera, please turn the power off immediately and disconnect the batteries and the transformer. Remove the foreign substance or water, and send it to the maintenance center.
- Transfer the data to the computer as soon as possible to avoid losing your image data.

Disposal of Waste Electrical and Electronic Equipment by users in private households in the European Union.

This symbol on the product or on the packaging indicates that this can not be disposed of as household waste. You must dispose of your waste equipment by handing it over to the applicable take-back scheme for the recycling of electrical and electronic equipment. For more information about recycling of this equipment, please contact your city office, the shop where you purchased the equipment or your household waste disposal service. The recycling of materials will help to conserve natural resources and ensure that it is recycled in a manner that protects human health and environment.

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1 Touring Your Camera

1.1 Checking the Package Contents

The package includes the following items:

Common Product Components:
1. User manual
2. Digital camera
3. USB cable
4. Camera strap
5. Camera software CD-ROM
6. Camera pouch
7. Batteries

Common (Optional) Accessories:
1. Memory card

If anything is missing or appears damaged, contact your dealer. Save the packaging in the event you need to ship your camera for service.

Note

- Accessories and components may vary by retailer.
- 16MB internal memory lets you capture and store images without the need for an additional memory card. However, you may wish to expand the memory capacity (up to 1GB capacity) by using an external memory card.

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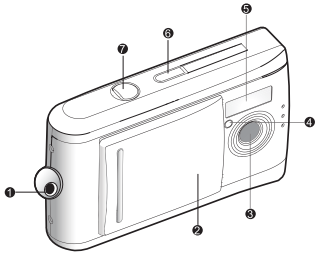
1.2 Camera Components

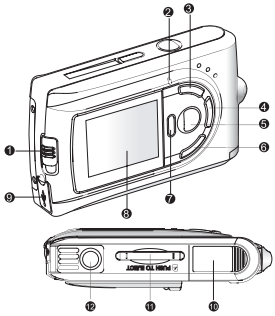
1.2.1 Front View

1. Strap eyelet
2. Lens cover
3. Lens
4. Self-timer LED
5. Flash
6. Power button
7. Shutter button



1.2.2 Rear View

1. Focus switch
   - Normal mode
   - Macro mode
2. Status LED
3. ▲button
   - Playback button
4. ▶Arrow button (right)
   MODE button
5. **SET** Set button
   - Flash button
6. ▼Arrow button (down)
   MENU button
7. ◀Arrow button (left)
   - Zoom button
8. LCD monitor
9. USB connector
10. Battery cover
11. Memory card cover
12. Tripod socket



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1.2.3 LCD Monitor Icons

1.2.3.1 Display icons -- Still Image Record Mode:

1. Capture mode
2. Focus Mode
   - Macro mode
   - [No icon] Normal mode
3. Shooting mode
   - [No icon] Single
   - Selftimer
   - Cont. 1.3MP
   - Cont. VGA
4. White balance
   - A Auto
   - Daylight
   - Cloudy
   - Tungsten
   - Fluorescent
5. Image size
   - VGA
   - 1.3MP
   - 3MP
   - 4MP
   - 5MP
6. Image quality
   - Normal
   - Fine
   - Super fine
7. Possible number of shots
8. Digital zoom indicator
9. Flash mode
   - Flash off
   - Auto flash

10. Battery level
    - Full battery power
    - Medium battery power
    - Virtually no battery power
11. Memory card indicator
    - [No icon] Internal memory
    - SD memory card

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1.2.3.2 Display icons -- Video Record Mode:

1. Video mode
2. Memory card indicator
3. Battery level
4. Possible recording time
5. Image size
6. Focus mode (at preview mode only)

1.2.3.3 Display icons -- Still Image Playback Mode:

1. Capture mode
2. Protection icon
3. File number/ total number of files

1.2.3.4 Display icons -- Video Playback Mode

1. Total record time
2. Video mode
3. Protection icon
4. File number/ total number of files
5. Video playback/ stop indicator

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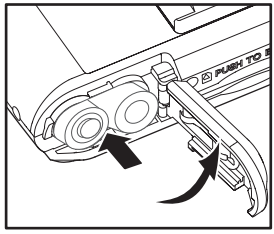
2 Preparing Your camera for Use

You can use either 2 AAA size batteries (Alkaline or Ni-MH) to power the camera.

2.1 Installing Batteries

1. Make sure the camera is turned off.
2. Slide the battery cover in the direction of the [OPEN] arrow.
3. Insert the batteries, noting correct polarity (+ and -).
4. Close the battery cover firmly.



Note

- Different battery types and surrounding temperatures may affect the battery performance.
- Avoid using batteries in extremely cold environments as low temperatures can shorten the battery life and reduce camera performance. This low temperature will also influence Alkaline battery performance, therefore Ni-MH rechargeable batteries are highly recommended.
- If you are using the new rechargeable batteries or rechargeable batteries that have not been used for an extended period of time (batteries that pass the expiry date are exceptions) might affect the number of pictures that can be taken. Therefore, to maximize their performance and lifetime, we recommend that you fully charge the batteries and discharge them for at least one complete cycle before use.
- If you will not be using the batteries for an extended period of time, remove them from the camera to prevent leakage or corrosion.
- Never use batteries of different types (together) or mix old and new batteries.
- Never use manganese batteries.

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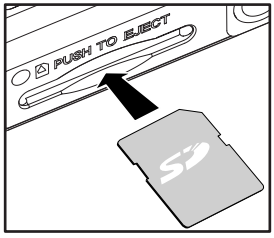
2.2 Inserting an SD Memory Card (optional accessory)

The camera comes with 16MB of internal memory, allowing you to store images and video clips in the camera. However, you can expand the memory capacity by using an optional SD (Secure Digital) memory card so that you can store additional images and video clips.



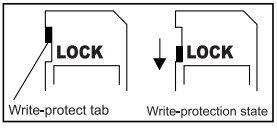
1. Make sure the camera is turned off.
2. Insert an SD memory card:
   - The front side of the memory card (printed arrow) should face towards the rear side of the camera.
   - If the card cannot be inserted, check the orientation.

Note

- Be sure to format the memory card with this camera before its initial usage. Refer to section in this manual titled 2.7 "Formatting the Memory Card" for further details.

2.3 To remove a memory card:

Make sure the camera is turned off. Press lightly on the edge of the memory card and it will eject.



Note

- To prevent valuable data from being accidentally erased from an SD memory card you can slide the write protect tab (on the side of the SD memory card) to "LOCK".
- To save, edit, or erase data on an SD memory card, you must unlock the card.

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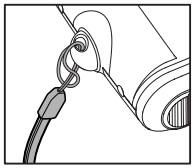
2.4 Attaching the Hand Strap:

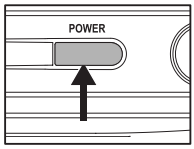
To prevent accidental dropping of the camera, always use the strap.



2.5 Turning the Power On/Off

The camera is switched between On/Off as follows:

1. You can use the **POWER** button to power on/off the camera.
   - Open the lens cover before you start taking pictures/recording video clips.
   - When the power is turned on, the camera will start in the mode.



Note

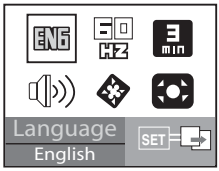
- If the camera goes unused for a certain period of time while the camera is powered on, the camera will switch to an idle mode, and eventually turn itself off to conserve power.

2.6 Choosing the Language

Specify in which language menus and messages are to be displayed on the LCD monitor of your camera.

To choose the language setting:

1. Toggle the **MODE** button to , and press the **SET** button.
2. Select [Language] and toggle the **SET** button to select the displayed language.
3. Press the **MENU** button to exit.



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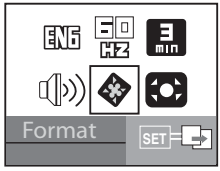
2.7 Formatting the Memory Card

This utility formats the SD memory card / the internal memory and erases all images and data stored on the memory card.

To format the memory card:

1. Toggle the **MODE** button to , and press the **SET** button.
2. Select [Format] using the ◀/ ▶ button and press the **SET** button.
3. Select with the ◀/ ▶ button and press the **SET** button.
   - To cancel formatting, select and press the **SET** button.
4. Press the **MENU** button to exit.



Note

- To format the internal memory, do not insert an SD card into the camera. Otherwise, you will format the SD memory card.
- Formatting the SD memory card also erases the protected images and video clips. Make sure that all files have been backed up before formatting the card.

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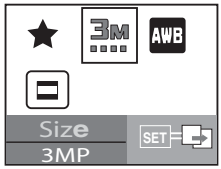
2.8 Setting Image Resolution and Quality

Resolution and quality settings determine the pixel size (dimension), image file size, and compression ratio for your images. These settings affect the number of images that can be stored in memory, or on a memory card. As you get to know the camera, it is recommended that you try each quality and resolution setting to get an appreciation for the effects that these settings will have on your images.

Higher resolution and higher quality images offer the best photographic results but produce large files sizes. Therefore, few images will take up a lot of memory space.
High resolution and quality settings are recommended for printed output and situations requiring the finest detail. Lower resolution/quality images take up less memory space and may be quite suitable for sharing images via e-mail, in a report, or on a web page.

To change image resolution or image quality:

1. Toggle the **MODE** button to , and press the **SET** button.
2. Press the **MENU** button.
3. Select [Quality]/[Size] using the ◀/ ▶ buttons.
4. Toggle the **SET** button to choose the setting you desire.
5. Press the **MENU** button to exit



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Note

- In video mode, only [Size] setting is available.

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3 Camera Operating Mode

This chapter describes the camera operating modes, and explains how to take pictures, record movie clips and play back photos, movies.

3.1 Capture Mode

3.1.1 Normal Mode

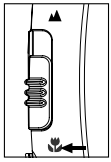
Your camera is equipped with a 1.5" LCD monitor to compose images. Before you start taking pictures, be sure that the lens cover is opened and the focus switch is set to the appropriate photography mode.

1. Open the lens cover.
2. Set the focus switch to ▲.
3. Toggle the **MODE** button to , and press the **SET** button.
4. Compose your shot on the display screen.
5. Place the subject of your photo at the center and press the shutter button.

Note

- The LCD display darkens in strong sunlight or bright light. This is not a malfunction.

3.1.2 Macro Mode



For close-up subjects such as flowers or insects, shoot with the Macro mode. This feature can be used for close-ups of subjects up to the distances from 0.4 to 0.6m.

1. Open the lens cover.
2. Set the focus switch to .
3. Toggle the **MODE** button to , and press the **SET** button.
4. Compose your shot on the display screen and press the shutter button.

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3.1.3 Digital Zoom

Using digital zoom, images appear closer. Digital processing lets you zoom in the image without deterioration.

1. Toggle the **MODE** button to , and press the **SET** button.
2. Compose your picture while viewing the LCD monitor.
3. Press the button to activate the digital zoom.
   - Toggle the button to magnify up to 4x.

1X 2X 3X 4X

4. Press the shutter button to capture a "zoomed" image.

Note

- Digital zoom is not automatically cancelled after an image is captured.
- Digital zoom is only available in single and self-timer shooting modes.
- Digital zoom is not available for images with size larger than 4MP.

3.1.4 Shooting Mode

The shooting mode enables you to capture images with single shot, self-timer, continuous 1.3MP, and continuous VGA.

1. Toggle the **MODE** button to , and press the **SET** button.
2. Press the **MENU** button.
3. Select [Shooting] using the ◀/ ▶ buttons and press the ▶ button.
4. Toggle the **SET** button to choose the desired option.
5. Press the **MENU** button to exit from the menu mode.
6. Compose your image and press the shutter button.

Shooting mode	Description
Single (No icon)	Captures single shot at a time.
Self-timer	Captures image about 10 seconds after the shutter button is pressed.
Cont. 1.3MP	Allows continuous shots of 3 images with the maximum image size of 1.3MP.
Cont. VGA	Allows continuous shots of 3 images with maximum image size of VGA.

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3.1.5 Flash

The flash is designed to function automatically when lighting conditions warrant the use of flash. When you are in Normal mode (the focus switch is set to), you can take an image using a flash mode suitable to your circumstances.

1. Toggle the **MODE** button to , and press the **SET** button.
2. Press the button repeatedly until the desired flash mode appears.

   : Auto flash.
   The flash fires automatically according to the ambient lighting conditions. Select this mode for general flash photography.

   : Flash off.
   The flash will not fire. Select this mode when taking images in a place where flash photography is prohibited, or when the distance to the subject is beyond the effective range of the flash.

   : Red-eye reduction.
   Use this mode to reduce the red-eye effect when you want to capture natural-looking photographs of people and animals in low-light conditions.
3. Compose the image and press the shutter button.

Note

- If you will not be using the flash, turn it off. Turning the flash off will result in faster camera startup and faster operation because the capacitor will not be charged needlessly. Turning the flash off when not needed, will also improve battery life.
- The flash mode is automatically set to off for close-up photography.

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3.2 VIDEO MODE

3.2.1 Recording Video Clips

The movie mode allows you to record video clips (without audio) at a resolution of VGA / QVGA pixels.

1. Open the lens cover.
2. Press the **POWER** button.
3. Toggle the **MODE** button to , and press the **SET** button.
4. To start recording a video clip, press the shutter button.
5. Pressing the shutter button again stops recording.

Note

- Flash/self-timer cannot be used.

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3.3 Playback Mode

In the Playback mode, you can view, magnify, delete images, play video clips, or run a slide show. Playback mode also provides a thumbnail image display, allowing you to quickly search for the image you want.

3.3.1 Viewing Images

When you take a still image or movie, it is immediately stored in internal memory or on an SD memory card. Still images and movie in internal memory or on an SD memory card can be displayed on the LCD monitor.

To view still images, follow the steps below:

1. Open the lens cover.
2. Press the **POWER** button.
3. Press the ▶ button. The last image appears on the screen.
4. Use the ◀/ ▶ buttons to choose the video you want to see.
   - Press the ▶ button to view the next still image.
   - Press the ◀ button to view the previous still image.

Note

- Images are played back from the following recording media:
  * When no memory card is loaded, it plays back from internal memory.
  * When an SD memory card is loaded, it plays back from SD memory card.
- If there are no images stored in memory, the 0 will appear on the LCD monitor.

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3.3.2 Viewing Video Clips

To view a recorded video clip, follow these steps:

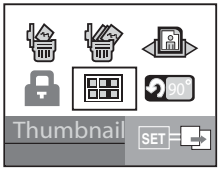
1. Open the lens cover.
2. Press the **POWER** button.
3. Press the ▶ button. The last image appears on the screen.
4. Use the ◀/ ▶ buttons to choose the video you want to see.
5. Press the **SET** button.
   - Playback begins.
   - The elapsed playback indicator or the elapsed time is displayed on the LCD monitor.
6. Press the **SET** button to stop the playback.

Note

- The zoom function cannot be activated during movie playback.
- To play the video clip back on your computer, you may use either Windows Media Player or Apple "QuickTime Player".

3.3.3 Displaying Thumbnail Images

This function allows you to view as many as six thumbnail images on the LCD monitor simultaneously so you may search for a particular image.



To view still images, follow the steps below:

1. Press the ▶ button.
2. Press the **MENU** button.
3. Select [Thumbnail] using the ◀/ ▶ buttons and press the **SET** button.
4. To view a full-size image, select the image with the ◀/ ▶ buttons, and then press the **SET** button. The selected image will be displayed in the full LCD frame.

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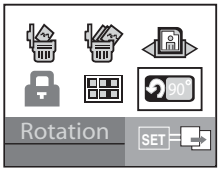
3.3.4 Rotating Images

You can rotate still images during image playback.

To rotate the selected image:

1. Press the ▶ button.
2. Press the **MENU** button.
3. Select [Thumbnail] using the ◀/ ▶ buttons and press the **SET** button.
   - The image is rotated by 90 degrees and displayed counter-clockwise.
4. Repeat steps 2-3 to rotate the image to different directions.



3.3.5 Slideshow Display

The slideshow function enables you to playback your images back automatically in sequential order as a slide show. This is a very useful and entertaining feature for reviewing recorded images and for presentations.

To view still images:

1. Press the ▶ button.
2. Press the **MENU** button.
3. Select [Slideshow] using the ◀/ ▶ buttons and press the **SET** button.
   - The slideshow starts, displaying your images on the LCD monitor, one by one, at the set interval.
   - To stop the slideshow display, press the **SET** button. Until stopped, the slideshow will repeat itself.

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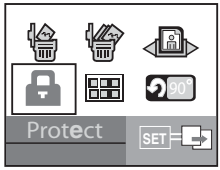
3.3.6 Protecting Images

You can set the images to protected files to prevent them from being erased by accident.

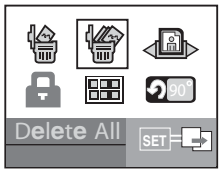
1. Press the ▶ button.
2. Press the **MENU** button.
3. Select [Protect] using the ◀/ ▶ buttons and press the **SET** button.
   - Protection is applied to the image and the camera returns to the playback mode.
   - A protection icon 🔒 is displayed with the protected images.



3.3.7 Deleting Images

To delete images or video clips from your camera:

1. Press the ▶ button.
2. Press the **MENU** button.
3. Select [Delete] or [Delete All] using the ◀/ ▶ buttons and press the **SET** button.
   - Delete: Deletes the selected/last image/video clip.
   - Delete All: Deletes all the images/video clips except for protected files.
4. Select OK with the ◀/ ▶ buttons and press the **SET** button.
   - To cancel the deletion, select and press the **SET** button.
   - 🔒=0 is displayed when no images are stored on the memory card (or internal memory).



Note

- To delete images or videos stored in internal memory, do not insert a memory card into the camera. Otherwise, you will delete the images or video clips stored on the memory card.

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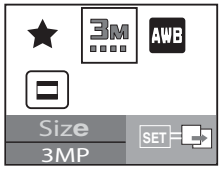
4 MENU OPTIONS

4.1 Capture Menu

This menu is for the basic settings to be used when capturing still images.

1. Toggle the **MODE** button to and press the **SET** button.
2. Press the **MENU** button.
3. Press the ◀/▶ buttons to select the desired setting.
4. Toggle the **SET** button to confirm the selection.
5. Toggle the **MENU** button to exit.



4.1.1 Quality

This sets the quality (compression rate) at which the image is captured.

- ★ Normal
- ★★ Fine
- ★★★ Super Fine

4.1.2 Size

This sets the size of the image that will be captured.

- VGA
- 1.3MP
- 3MP
- 4MP
- 5MP

4.1.3 WB (White Balance)

This sets the white balance capturing under a variety of lighting conditions and permits images to be captured that approach the conditions that are seen by the human eye.

- **A** Auto
- Daylight
- Cloudy
- Tungsten
- Fluorescent

4.1.4 Shooting

Refer to 3.1.4 “Shooting Mode” for further details.

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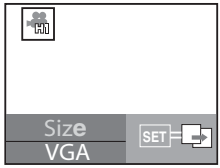
4.2 Video Menu

You can configure basic setting for recording video clips in this menu.

1. Toggle the **MODE** button to and press the **SET** button.
2. Press the **MENU** button.
3. Toggle the **SET** button to select the desired setting.
4. Toggle the **MENU** button to exit.



4.2.1 Size

This sets the size of the video clip that will be captured.

- VGA
- QVGA

4.3 Playback Menu

In the mode, configure settings to be used for playback menus.

1. Press the button.
2. Press the **MENU** button.
3. Press the / buttons to select the desired setting.
4. Press the **SET** button to enter the submenu or confirm the selection.
5. Toggle the button to exit.

4.3.1 Delete

Refer to 3.3.7 “Deleting Images” for further details.

4.3.2 Delete All

Refer to 3.3.7 “Deleting Images” for further details.

4.3.3 Slideshow

Refer to 3.3.5 “Slideshow Display” for further details.

4.3.4 Protect

Refer to 3.3.6 “Protecting Images” for further details.

4.3.5 Thumbnail

Refer to 3.3.3 “Displaying Thumbnail Images” for further details.

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4.3.6 Rotation

Refer to 3.3.4 “Rotating Images” for further details.

4.4 Setup Menu

You can configure the general settings for your camera’s operating environment in this menu.

1. Toggle the **MODE** button to and press the **SET** button.
2. Press the ◀/▶ buttons to select the desired setting.
3. Toggle the **SET** button to confirm the desired setting.
4. Press the **MENU** button to exit.

4.4.1 Language

Refer to 2.6 “Choosing the Language” for further details.

4.4.2 Frequency

This camera supports different lighting frequencies: 50 Hz and 60 Hz. When photographing under fluorescent lighting, select the correct frequency setting depending on your local area’s voltage. This function is only effective if you set the White Balance to Fluorescent setting.

- 50Hz / 60Hz

4.4.3 Power Off

If no operation is performed for a specific period of time, the power of the camera is automatically switched off.

- 1 Min. / 3 Min. / Off

4.4.4 Beeper

This enables the sound each time you press the camera button.

- On / Off

4.4.5 Format

Refer to 2.7 “Formatting the Memory Card” for further details.

4.4.6 Reset

Use this option to reset all settings to factory default settings.

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5 Connecting to a Computer

Connecting the camera to your computer enables you to perform the following functions:

- Upload photos, movie clips, and sound clips to your computer for storage and organization

5.1 Installing the Digital Camera Software

- It's recommended that you set up the driver and software before connecting the digital camera to your PC.

To browse the content of this CD and install software manually, refer to the descriptions of the CD content in the next section.

5.2 Bundled Software

The camera is supplied with the following software. To install the software, refer to the information supplied with respective CDs.

Software	Description
Ulead Photo Express	Ulead® Photo Express™ 5.0 SE is a complete photo project software for digital images. Acquire photos effortlessly from digital cameras or scanners. Edit and enhance images using easy-to-use editing tools and cool photographic filters and effects. Assemble creative photo projects and share results via e-mail and multiple print options.
Ulead Photo Explorer	Ulead® Photo Explorer™ 8.0 SE Basic provides an efficient way to transfer, browse, modify and distribute digital media. It is an all-in-one tool for owners of digital cameras, webcams, DV camcorders, scanners, or for anyone who strives to effectively handle digital media.

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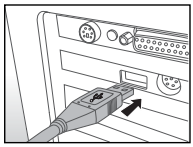
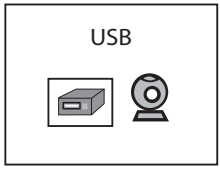
5.3 Transferring Files To/From a Computer

This section explains how to transfer images, movies between your camera and a PC using Windows XP/ME/2000.

5.3.1 Transferring Photos and Movie Clips

This section shows you how to use the Windows Explorer utility to manipulate files between your camera and a PC.





1. Connect one end of the USB cable to the USB terminal of your camera.
2. Connect the other end of the USB cable to an available USB port on your computer.
3. Select with ◀/▶ buttons and press the **SET** button.
4. From the Windows desktop, double click on "My Computer".
5. A new disk appears in Windows Explorer labelled "Removable Disk". This "Removable Disk" is actually the memory card in your camera. Typically, the camera will be assigned driver letter "e" or higher.
6. Double click on the DCIM folder to view the contents of the subfolders.

- Your recorded images and video clips are stored in these folders.
- Copy and paste or drag and drop images and video files to a folder on your computer.

Note

- When transferring images to the computer, there is no need to install any batteries into the camera. The camera will automatically power on when connected to the computer via USB cable.

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5.4 USING THE CAMERA AS A PC CAMERA

Your camera can act as a PC camera, which allows you to videoconference with business associates, or have a real-time conversation with friends or family.

To use the camera as a PC camera, follow these steps:
Step 1: Install the PC camera driver (it is combined with the USB mass-storage driver on the CD-ROM)
Step 2: Connecting the camera to your computer

Step 3: Running your application software (i.e. Windows NetMeeting)

Note

- Video conferencing (or video editing) software is not included with the camera.
- This mode is not supported for Mac.

General System Requirements for Videoconferencing

To use the camera for videoconferencing, your computer system must include:

- Microphone
- Sound card
- Speakers or headphones
- Network or Internet connection

Step 1: Install the PC Camera Driver

The PC-camera driver included on the CD-ROM is exclusively for Windows. The PC camera function is not supported for Mac platforms.

1. Insert the CD-ROM that came with the camera into your CD-ROM drive. The welcome screen appears.
2. Click "**INSTALL USB DRIVER**". Follow the on-screen instructions to complete the installation. After the driver installation is completed, restart your computer.

Note

- The USB driver that bundled inside the CD-ROM is designed in a form 2 in 1 (USB & PC camera driver).

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Step 2: Connecting the Camera to Your Computer

1. Connect one end of the USB cable to an available USB port on your computer.
2. Connect the other end of the USB cable to the USB connector on the camera.
3. Select using the ◀/▶ buttons and press the **SET** button.
4. Position the camera steadily on top of your computer monitor or use a tripod.

Note

- When using camera as a PC camera, there is no need to install any batteries into the camera. The camera will automatically power on when connected to the computer via USB cable.

Step 3: Running Your Application Software (i.e. Windows NetMeeting)

To use Windows NetMeeting for videoconferencing:

1. Go to **Start -->Programs -->Accessories -->Communications -->NetMeeting** to launch the NetMeeting program.
2. Click the **Start Video** button to view live video.
3. Click the **Place Call** button.
4. Type the e-mail address or the network address of the computer that you are calling.
5. Click **Call**. The person that you are calling must also have Windows NetMeeting running and be willing accept your call to start the videoconference.

Note

- The video resolution for videoconferencing applications is generally 320 x 240.
- For more information about the operation of videoconference application software, refer to its respective help documentation.

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6 TROUBLESHOOTING

Symptoms	Causes	Solutions
The power won't turn on.	• The battery is out of power. • The USB cable is not properly connected to the camera or PC.	• First turn on the PC, then connect the camera and PC with the USB cable.
The power turns off during use.	• The battery is out of power. • Power Saving mode is enabled. • The battery cover is opened when in use.	• Switch on the power. • Do not open the battery cover when the camera is in use.
The battery power is being used up too quickly.	• The external temperature is too cold. • The battery is not used for a long time.	• Keep the camera away from extreme temperatures.
The camera does not take pictures when the shutter button is pressed.	• The camera is not in Capture Mode. • The battery is weak. • The power has not been switched on.	• Set the Mode switch to Capture mode. • Replace the battery. • Switch on the power.
The close-up image is blurred.	• Select the correct focus range.	• If the subject is within 40 to 60 cm, select Macro mode.
The flash does not fire.	• The camera flash is turned off. • The light source is sufficient. • The flash is not fully charged.	• Set the flash mode to Auto Flash mode. • Wait for the flash to fully charge.
There is something wrong with the color of the captured image.	• White balance is not set properly.	• Set the white balance to Auto mode or other suitable mode.
The picture is too bright or too dark.	• There is excessive or inadequate exposure.	• Reset EV bias value.
The LCD screen is not clear.	• The LCD screen plastic cover is dirty. • The LCD screen has hot spots.	• Clean the LCD screen with a soft cloth. • Hot spots are normal and do not affect the camera's functionality.
The camera cannot download images to the PC.	• The cable is not connected properly. • The camera is off. • OS is not Windows 2000/ME/XP or the PC is not equipped with a USB port.	• Check the cable connection. • Turn on the power. • Install Windows 2000/ME/XP and USB port.

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7 SPECIFICATIONS

Item	Description
Image Sensor	Approx. 3.2 Mega pixels
Lens	Focal length: f = 8.5mm F-number: 2.8
Digital Zoom	Digital: 4X (Capture mode)
LCD Monitor	1.5-inch color TFT LCD
Focus Range	Normal: 1.5m to infinity Macro: 0.4m to 0.6m
Capture modes	Still Image, Video (movie) recording
Self-Timer	10-second delay
File Format	JPEG, AVI for video clip
Movie Mode	AVI format Size: 320 x 240, 640 x 480 (continuous)
Image size	<Still image>2 2560 x 1920 (F/W interpolation to 5 Mega pixels) 2304 x 1728 (F/W interpolation to 4 Mega pixels) 2048 x 1536 pixels, 1280 x 960 pixels, 640 x 480 pixels <Video clips> VGA pixels, QVGA pixels
Storage Type	16MB internal memory SD memory card (optional, up to 1 GB capacity)
Interface	USB connector
Power Source	2 AAA batteries
Dimensions (WxHxD)	89.5 x 56 x 24 mm (W x H x D) (exclusive of protruding features)
Weight	Approx. 82g (without batteries and memory card)
CD-ROM Contents	Camera Driver Ulead Photo Express Ulead Photo Explorer

System Requirements		
FOR WINDOWS	* Pentium 166Mhz or higher CPU * 128MB free hard disk space * Windows XP/ME/2000	* 64MB RAM * CD-ROM drive * Available USB port

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8 SERVICE INFORMATION

If you encountered problems using the camera and the camera driver program, please visit the following website for technical support, answers to frequently asked questions and download services:

http://support.BenQ.com

For free driver program updates, product information and news release, please visit the following web address:

http://www.BenQ.com

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